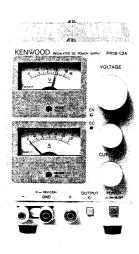


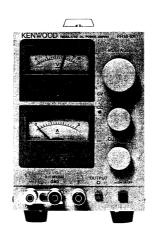
REGULATED DC POWER SUPPLY

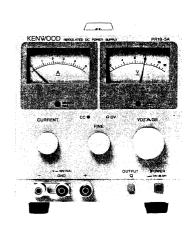
PR18-1.2A PR18-3A PR18-5A PR36-1.2A PR36-3A PR70-1A

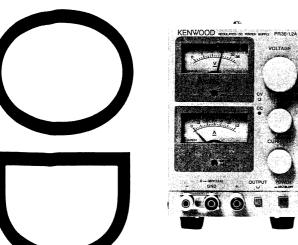
SERVICE MANUAL

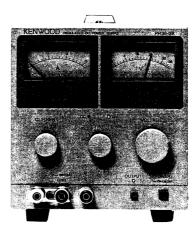
KENWOOD CORPORATION

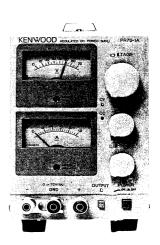












ADJUSTMENT

- To obtain the best performance, periodically calibrate the unit. Sometimes, only one mode need be calibrated, while at other times, all modes should be calibrated. When one mode is calibrated, it must be noted that the other modes may be affected. When calibrating all modes, perform the calibration in the specified sequence.
- The following calibration required an accurate measuring instrument and an insulated adjusting flat blade screwdriver. If they are not available, contact your dealer. For optimum adjustment, turn the power on and warm up the scope sufficiently (more than 30 minutes) before starting.

Before calibrating the scope, check the power supply voltage.

TEST EQUIPMENT REQUIRED

The following instrument or their equivalent should be used for making adjustment.

Multimeter 45 FLUKE

PREPARATION FOR ADJUSTMENT

Control Settings

The control settings listed below must be used for each adjustment procedure.

Exceptions to these settings will be noted as they occur. After completing a adjustment, return the controls to the following settings.

NAME OF KNOBS	POSITION
CURRENT FINE VOLTAGE	Fully Clockwise

Item	Adjustment VR	Procedure					
Voltage	VR1 (V. ADJ)	Turn VR1 clockwise to adjust the to the output voltage setting, then turn the FINE control to adjust to the rated voltage. (Before this adjustment, set VR1 to VR3 to the fully counterclockwise positions.)	able 1.				
Current	VR2 (A. ADJ)	Connect a load and turn VR2 to adjust to the output current setting.	to T				
A meter	VR3 (AM. CAL)	Set the load for the rated current, and adjust the swing of the ammeter of the main unit with VR3.	Refer				

Specifica- tions	Output voltage setting	Output current setting		
Model	[V]	[A]		
PR18-1.2A		1.28		
PR18-3A	18.5	3.19		
PR18-5A		5.3		
PR36-1.2A		1.28		
PR36-3A	37	3.19		
PR70-1A	72	1.06		

Table 1

PR18-1.2A

Y86-1850-00

REF. NO	PARTS NO A01-1236-08 A63-0112-08 B31-0755-08 B31-0756-08 B40-2737-24 B42-3731-08 B42-3734-08 B42-3735-08 B42-3755-08 B42-3755-08 B42-3755-08 B42-3755-08 B42-3755-08 B42-3755-08 B42-3755-08 B42-3750-08 B42-3751-08 B42-3752-08	NAME & DESCRIPTION COVER FRONT PANEL METER: VOLT METER: CURRENT SERIAL NO. PLATE MASTER/SLAVE LABEL RATING: AC100V 50/60HZ 45W FUSE RATING LABEL RATING: AC120V 50/60HZ 45W RATING: AC220V 50/60HZ 45W RATING: AC120V 60HZ 45W RATING: AC240V 50/60HZ 45W RATING: AC240V 50/60HZ 45W RATING: AC240V 50/60HZ 45W RATING: AC240V 50/60HZ 45W TERMINAL, RED TERMINAL, RED TERMINAL, BED TERMINAL, BLACK TERMINAL, WHITE
	$\begin{array}{c} E\ 2\ 9\ -\ 0\ 5\ 0\ 6\ -\ 0\ 4\\ E\ 2\ 9\ -\ 0\ 5\ 4\ 2\ -\ 0\ 8\\ E\ 3\ 0\ -\ 0\ 5\ 4\ 5\ -\ 0\ 5\\ E\ 3\ 0\ -\ 0\ 5\ 7\ 1\ -\ 1\ 5\\ E\ 3\ 0\ -\ 0\ 5\ 7\ 1\ -\ 1\ 5\\ E\ 3\ 0\ -\ 1\ 8\ 1\ 5\ -\ 0\ 5\\ E\ 3\ 0\ -\ 1\ 8\ 1\ 5\ -\ 0\ 5\\ F\ 0\ 1\ -\ 0\ 8\ 8\ 4\ -\ 0\ 8\\ F\ 0\ 5\ -\ 8\ 0\ 1\ 3\ -\ 0\ 8\\ F\ 0\ 5\ -\ 8\ 0\ 1\ 5\ -\ 0\ 8\\ F\ 0\ 5\ -\ 8\ 0\ 1\ 5\ -\ 0\ 8\\ F\ 0\ 5\ -\ 8\ 0\ 1\ 5\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 5\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 1\ -\ 0\ 8\ 1\ 1\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 1\ -\ 0\ 8\ 1\ 1\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 8\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 5\ 3\ -\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 1\ 1\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 1\ 1\ 0\ 8\\ H\ 1\ 0\ -\ 2\ 8\ 1\ 1\ 0\ 8\\ H\ 1\ 0\ 8\ 1\ 1\ 0\ 8\\ H\ 1\ 0\ 8\ 1\ 1\ 1\ 0\ 8$ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 1\ 0\ 8 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\	SHORTING BAR LUG; M3 UL/CSA POWER CORD JIS POWER CORD SAA POWER CORD CEE POWER CORD HEAT SINK FUSE(5X20MM) 0.8A/250V FUSE(6X32MM) 0.8A/250V INSULATOR; FOR Q6 FUSE 1.5A/125V FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR) STYRENE PAD; 83X115X30MM STYRENE PAD; 154X205X30MM VINYL COVER CARTON BOX
V R 0 1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	FOOT CLAMPER; FOR 2-CORE AC CORD CLAMPER; FOR 3-CORE AC CORD BRACKET; FOR P.C.B BRACKET; FOR P.C.B BRACKET; FOR AC CORD BUSHING VOLUME SPACER; FOR VRO1 BUSHING; FOR 2-CORE AC CORD BUSHING; FOR 2-CORE AC CORD KNOB KNOB; FINE/CURRENT KNOB, OUTPUT PUSH BUTTON, ORANGE; POWER POWER TRANSFORMER SCREW, SEMS PAN HD M3X6 SCREW, SEMS PAN HD M4X10 SCREW, SEMS BINDING TAPTITE 3X6 SCREW, SEMS PAN HD M3X10 SCREW, SEMS TAPTITE 3X10 FLANGE NUT SCREW, BINDING TAPTITE 3X10 PUSH SWITCH; POWER AMP UNIT VOLUME

PR18-1.2A AMP UNIT

W02-2267-08

REF. NO	PARTS NO E 21-0674-08 E 40-7141-08 E 40-7142-08 J 13-0518-08 J 73-0326-08 R 9 2-0150-05 R 9 2-1061-05	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP:FOR 6X30MM PCB (UNMOUNTED) JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM)
C I C 2 C 3 C 4 C 5	C 9 0 - 3 0 2 3 - 0 8 C Q 9 2 M 1 H 1 0 2 K C 9 1 - 2 5 5 9 - 0 8 C Q 9 2 M 1 H 4 7 2 K C Q 9 2 M 1 H 1 0 3 K	CAP. ELECTRO 470 105 C 35 V CAP. HYLAR 1000P 10 % 50 V CAP. CERAMIC 0.1 0.25 P 50 V CAP. HYLAR 4700P 10 % 50 V CAP. MYLAR 0.01. 10 % 50 V
C 6 C 7 C 8	NO USE C90-3020-08 CF93AN2ER22K	CAP. ELECTRO 100 105°C 25 V CAP. POLYESTER 0.22P 10% 250 V
C 9 C 1 0 C 1 1	NO USE C90-3021-08 CF93ANIJR22K	CAP. ELECTRO 2200 105°C 35V CAP. POLYESTER 0.22P 10% 63V
C 2 2	C 9 1 - 2 5 5 9 - 0 8	CAP. CERAMIC 0.1 0.25P 50V
C 2 6 C 2 7	C 9 0 - 3 1 7 4 - 0 8 N 0 U S E	CAP. ELECTRO 10 1% 50V
C 2 8 C 2 9	C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. ELECTRO 100 105°C 25 V CAP. CERAMIC 0.1 0.25 P 50 V
C 3 2	C F 9 3 A N 1 J 1 R 0 K	CAP. POLYESTER 1P 10% 63V
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 N O USE	PIN CONNECTOR 2P PIN CONNECTOR 3P
C N 4 C N 5	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8	PIN CONNECTOR 2P PIN CONNECTOR 3P
C N 6 C N 7	NO USE E40-7229-08	PIN CONNECTOR 4P
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P
C N 1 8	E 4 0 ~ 7 4 4 0 ~ 0 8	CONNECTOR
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P
C 0 1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105°C 50V
C 0 1 C 0 2	C 9 1 - 1 3 2 3 - 0 8 N O USE	CAP. CERAMIC 0.1 20% 250 V
C 0 3	C 9 0 - 3 0 4 6 - 0 8	CAP. ELECTRO 100 105°C 50V
D 1 D 2 D 3 D 4 D 5 D 6 D 7 D 8	1 B 4 B 4 2 E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A N O USE	DIODE, STACK DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE
09		DIODE, STACK
D 1 4 D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D 1 0 D E D 1 0 D E D 1 0 D E
D 2 8	1 S S 2 7 0 A	DIODE
D 3 3 D 3 4	ERA15-01 1SS270A	D I O D E
D 3 7 D 3 8 D 3 9	ERA15-01 1SS270A ERA15-01	D10DE D10DE D10DE
D O 1	E R A 1 5 - 0 1	DIODE
I C 1 I C 2 I C 3	UPC151C UPC151C UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULA TOR
1 C 9	N A 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.
LEDI LED2	1. N 2 2 2 R P 1. N 3 2 2 G P	LED; RED LED; GREEN
L E D O 1	I. N 2 2 2 R P	t, E D; R E D
Q 1 Q 2 Q 3 Q 4	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN TR. SI, NPN TR. SI, NPN

REF. NO Q5 Q6 Q7 Q8	PARTS NO 2SC1815(GR) 2SD1148(0) NO USE 2SC3421(Y)	NAME & DESCRIPTION TR. SI, NPN TR. SI, NPN TR. SI, NPN
Q I 5 Q I 6 Q I 7	2 SC 1815 (GR) NO USE DTA143 EF	TR. SI, NPN TR. DIGITAL
R 1 R 2	R D I 4 B B 2 C 1 2 2 J R D I 4 B B 2 C 1 2 3 J	RES. CARBON 1.2K 5% 1/6W RES. CARBON 12K 5% 1/6W
R 2 R 3 R 4 R 5 R 6 R 7 R 8 R 9 R I 0 R I 1 R I 2	R D1 4 DB 2 H 3 O 2 J R D1 4 BB 2 C 3 O 2 J R D1 4 BB 2 C 5 1 O J R D1 4 BB 2 C 6 8 2 J R D1 4 BB 2 C 2 7 3 J R N1 4 B B 2 C 2 O 2 J R D1 4 BB 2 C 2 O 2 J R D1 4 BB 2 C 1 O 2 J R D1 4 BB 2 C 5 1 3 J R D1 4 BB 2 C 5 1 3 J R D 0 U S E	RES. CARBON 3 K 5 % 1 / 2 W RES. CARBON 3 K 5 % 1 / 6 W RES. CARBON 5 1 5 % 1 / 6 W RES. CARBON 6 . 8 K 5 % 1 / 6 W RES. CARBON 2 7 K 5 % 1 / 6 W RES. METAL FILM 5 . 1 K 1 % 1 / 6 W RES. CARBON 2 K 5 % 1 / 6 W RES. CARBON 4 . 7 K 5 % 1 / 6 W RES. CARBON 5 K 5 % 1 / 6 W RES. CARBON 5 K 5 % 1 / 6 W RES. CARBON 5 K 5 % 1 / 6 W
R I 3 R I 4 R I 5 R I 6 R I 7	R DI 4 B B 2 C 2 O 2 J R DI 4 B B 2 C 1 5 2 J R DI 4 B B 2 C 5 I 1 J R DI 4 B B 2 C 5 I 2 J NO USE	RES. CARBON 2 K 5 % 1/6 W RES. CARBON 1.5 K 5 % 1/6 W RES. CARBON 510 5 % 1/6 W RES. CARBON 5.1 K 5 % 1/6 W
R 1 8 R 1 9 R 2 0 R 2 1 R 2 2 R 2 3 R 2 4	R D I 4 B B 2 C 5 1 3 J R D I 4 B B 2 C 1 0 3 J R D I 4 B B 2 C 1 0 2 J	RES. CARBON 51 K 5% 1/6 W RES. CARBON 10 K 5% 1/6 W RES. CARBON 1 K 5% 1/6 W RES. HETAL FILM 16 0 K 1% 1/6 W RES. CARBON 1 K 5% 1/6 W RES. METAL FILM 9.1 K 1% 1/6 W RES. METAL FILM 3 K 1% 1/6 W
R 2 7 R 2 8 R 2 9	R D1 4 B B 2 C 1 O 2 J R D1 4 B B 2 C 1 O 3 J R S1 4 G B 3 D 1 5 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 1OK 5% 1/6W RES. METAL FILM 1.5K 5% 2W
R 4 0	R N I 4 B K 2 C 1 8 0 0 F	RES. METAL FILM 180 1% 1/6W
R 1 4 R 1 5	R D 4 B B 2 C 1 O 1 J R D 4 D B 2 II 2 O 2 J	RES. CARBON 100 5% 1/6W RES. CARBON 2K 5% 1/2W
R 6 7	R S I 4 G B 3 D R 4 3 J	RES. METAL FILM 0.43 5% 2W
R 7 4 R 7 5 R 7 6 R 7 7	R DI 4 B B 2 C 1 O 2 J R DI 4 D B 2 H 2 O 2 J R DI 4 B B 2 C 1 O 2 J NO USE	RES. CARBON 1 K 5% 1/6 W RES. CARBON 2 K 5% 1/2 W RES. CARBON 1 K 5% 1/6 W
R 7 8 R 7 9	R D14BB2C102J R D14DB2H102J	RES. CARBON 1K 5% 1/6W RES. CARBON 1K 5% 1/2W
R 8 5	R D 4 D B 2 H 1 O 1 J	RES. CARBON 100 5% 1/2W
R 8 8 R 8 9	R D14BB2C104J NO USE	RES. CARBON 100K 5% 1/6W
R 9 0 R 9 1	R D1 4 BB 2 C 1 0 2 J R D1 4 BB 2 C 1 0 3 J R D1 4 BB 2 C 1 0 2 J R D1 4 BB 2 C 1 0 2 J R D1 4 BB 2 C 2 0 5 J R D1 4 BB 2 C 1 0 0 J NO USE R D1 4 BB 2 C 9 1 2 J	RES. CARBON 1 K 5% 1/6 W RES. CARBON 1 O K 5% 1/6 W RES. CARBON 1 K 5% 1/6 W RES. CARBON 2 M 5% 1/6 W RES. CARBON 1 O 5% 1/6 W RES. CARBON 9, 1 K 5% 1/6 W
R O 1	R N14BK2C1003F	RES. METAL FILM 100K 1% 1/69
	\$ 76 - 06 0 4 - 08	RELAY
	NO USE S 76 - 06 04 - 08 S 76 - 06 30 - 08	RELAY RELAY
	S 68 - 0631 - 05 S 31 - 1512 - 08	OUTPUT SW NASTER/SLAVE SWITCH
	R 12 - 1565-08 R 12-3568-08 R 12-0597-08	RES. SEMI FIXED 2KB RES. SEMI FIXED 30KB RES. SEMI FIXED 100

Z D 1

P	R	1	8-	3	Α
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	Y86-1860-00				
	PARTS NO	NAME & DESCRIPTION			
	01-1237-08	CASE FRONT PANEL			
	31-0754-08	METER; CURRENT			
	31-0755-08	METER; VOLT			
	40-2737-24 42-3731-08	SERIAL NO. PLATE HASTER/SLAVE LABEL			
В	42-3733-08	FUSE RATING LABEL			
	42-6035-08 42-6036-08	RATING; AC100V 50/60HZ 100W RATING: AC120V 50/60HZ 100W			
	42-6037-08	RATING: AC220V 50/60HZ 100W			
	12-6038-08	RATING; AC240V 50/60HZ 100W RATING: AC120V 60HZ 100W			
	42-6039-08 63-0173-00	RATING; AC120V 60HZ 100W INSTRUCTION MANUAL; JAPANESE			
В	63-0174-00	INSTRUCTION MANUAL; ENGLISH			
	21-0670-03	TERMINAL, RED TERMINAL, BLACK			
	21-0672-03	TERMINAL, WHITE			
	29-0506-04	SHORTING BAR LUG; M3			
	29-0542-08 30-0027-35	UL/CSA POWER CORD			
	30-0545-05	JIS POWER CORD			
	30-0571-15 30-1815-05	SAA POWER CORD CEE POWER CORD			
E :	30-1867-05	BS POWER CORD			
	0 - 0 8 8 5 - 0 8 0 5 - 2 0 2 1 - 0 8	HEAT SINK FUSE(5X2ONN) 2A/250V			
F	05-2023-05	FUSE(6X32NN) 2A/250V			
	29-0515-08	INSULATOR; FOR Q6 INSULATOR; FOR Q6/Q11			
	29-0517-08 51-0009-08	FUSE(6X30MM) 3A/125V			
	10-2853-08	FOAMED STYRENE PAD (FRONT)			
	10-2854-08	FOAMED STYRENE PAD (REAR) VINYL COVER			
11 5	53-0112-08	CARTON BOX			
	02-0529-08	FOOT CLAMPER: FOR 2-CORE AC CORD			
	19-1672-08	CLAMPER; FOR 3-CORE AC CORD			
	21-4720-08	BRACKET; FOR P.C.B BRACKET; FOR AC CORD BUSHING			
	21-4758-08 29-0519-08	BRACKET; FOR AC CORD BUSHING BRACKET; FOR P. C. B			
J:	30-0635-08	VOLUME SPACER; FOR VROI			
	12-0083-05 12-0085-05	BUSHING; FOR 2-CORE AC CORD BUSHING; FOR 3-CORE AC CORD			
K (01-0417-05	HANDLE			
	21-0907-14	KNOB KNOB; FINE/CURRENT			
	21-3006-04	KNOB, OUTPUT			
	27-0509-04	PUSH BUTTON, ORANGE; POWER			
)7-1517-08)9-0718-05	POWER TRANSFORMER SCREW, SENS PAN HD M3X6			
N C	9-0757-05	SCREW, SEMS BINDING TAPTITE 3X			
) 9 - 0 7 7 6 - 0 5) 9 - 0 7 7 7 - 0 5	SCREW, SEMS PAN HD M3X10 SCREW, SEMS PAN HD M4X6			
	9-0789-05	SCREW, SENS PAN ND H3X10			
) 9 - 0 7 9 7 - 0 8 4 - 0 4 0 4 - 0 4	SCREW, SEMS TAPTITE 3X10 FLANGE NUT N3			
	39-3006-41	SCREW, BINDING TAPTITE 3X6			
N 8	39-3012-41	SCREW, BINDING TAPTITE 3X12			
	10-2533-08	PUSH SWITCH; POWER AMP UNIT			
VRO1 R2	29-3503-08	VOLUME 10K			
	29-1508-08 29-3504-08	VOLUME 1 K VOLUME 1 O K			
. 11 O R 2	0004 00				

		3-3A AMP UNIT	REF. NO	2 S C 1 8 1 5 (G R)	NAME & DESCRI TR. SI, NPN	P T 1 O N	
	Ŋ	/02-2268-08	Q 5 Q 6	2 S C 1 8 1 5 (G R) 2 S D 1 1 4 8 (O)	TR. SI, NPN TR. SI, NPN		
REF. NO	PARTS NO E21-0674-08 E40-7141-08 E40-7142-08 J13-0518-08 R92-0150-05	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP:FOR 6X30MM JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM)	Q7 Q8 Q9 - Q10	2 S G 2 2 3 8 (Y) 2 S G 3 4 2 1 (Y) 2 S G 1 8 1 5 (G R) 2 S G 1 8 1 5 (G R) NO USE	TR. SI, NPN		
C 1 C 2 C 3	R92-1061-05 C90-3019-08 CQ92M1H102K C91-2559-08	CAP. ELECTRO 1000 105 C 35 V CAP. MYLAR 1000 P 10% 50 V CAP. CERANIC 0.1 0.25 P 50 V	Q 1 7 Q 1 1 A Q 1 1 B	DTA143EF 2SD1148(0) 2SD1148(0)	TR. SI, NPN TR. SI, NPN		
C 4 C 5 C 6 C 7	CQ 9 2 M 1 H 4 7 2 K CQ 9 2 M 1 H 1 0 3 K NO USE C9 0 - 3 0 2 0 - 0 8	CAP. MYLAR 4700P 10% 50V CAP. MYLAR 0.01 10% 50V CAP. ELECTRO 100 105°C 25V	R 1 R 2	R B I 4 B B 2 C 1 2 2 J R D I 4 B B 2 C 1 2 3 J		1.2K 5	% 1/6W
C 8 C 9 C I 0 C I 1	CF93AN2ER22K NO USE C90-3021-08 CF93AN1JR22K	CAP. POLYESTER 0.22P 10% 250V CAP. ELECTRO 2200 105°C 35V CAP. POLYESTER 0.22P 10% 63V	R 2 R 3 R 4 R 5	R D 1 4 D B 2 H 3 O 2 J R D 1 4 B B 2 C 3 O 2 J R D 1 4 B B 2 C 5 1 O J R D 1 4 B B 2 C 1 O 2 J	RES. CARBON RES. CARBON	3 K 5 3 K 5 5 1 5 1 K 5	% 1/6W % 1/6W
C 2 2	091-2559-08	CAP. CERAMIC 0.1 0.25P .50V	R 6	R D 1 4 B B 2 C 2 7 3 J R N 1 4 B K 2 C 5 1 O 1 F	RES. CARBON RES. METAL FILM	27K 5 5.1K 1	% 1/6W % 1/6W
C 2 6	090-3174-08	CAP. ELECTRO 10 1% 50V	R 8 R 9 R I 0	R D 1 4 B B 2 C 2 O 2 J R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 5 1 1 J	RES. CARBON	2 K 5 1 K 5 5 1 0 5	% 1/6W
C 2 7 C 2 8 C 2 9	NO USE C90-3020-08 C91-2559-08	CAP. ELECTRO 100 105°C 25V CAP. CERANIC 0.1 0.25P 50V	R 1 1 R 1 2	RD14BB2C513J NO USE	RES. CARBON	51 K 5	% 1/6W
C 3 2	CF93ANIJ1ROK	CAP. POLYESTER 1P 10% 63V	R I 3 R I 4 R I 5	R D 1 4 B B 2 C 2 O 2 J R D 1 4 B B 2 C 1 5 2 J R D 1 4 B B 2 C 1 O 2 J	RES. CARBON	1.5K 5	% 1/6W % 1/6W % 1/6W
C N 1 C N 2	E40-7218-08 E40-7344-08	PIN CONNECTOR 2P PIN CONNECTOR 3P	R 1 6 R 1 7	RD14BB2C512J NO USE	RES. CARBON	5.1K 5	% 1/6W
C N 3 C N 4 C N 5 C N 6 C N 7 C N 8	NO USE E40-7126-08 E40-7219-08 E40-7219-08 E40-7229-08 E40-7229-08	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 4P PIN CONNECTOR 4P	R 1 8 R 1 9 R 2 0 R 2 1 R 2 2 R 2 3 R 2 4	RD14BB2C103J RD14BB2C103J RD14BB2C102J RN14BK2C3303F RD14BB2C102J RN14BK2C3101F RN14BK2C3001F	RES. CARBON RES. CARBON RES. METAL FILM	1 K 5 9,1 K 1	% 1/6W % 1/6W % 1/6W % 1/6W % 1/6W
C N 1 1 C N 1 2 C N 1 3	E40-7332-08 E40-7333-08 E40-7333-08	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P	R 2 7 R 2 8 R 2 9	R D F 4 B B 2 C 1 O 2 J R D I 4 B B 2 C I O 3 J R S I 4 G B 3 D I 5 2 J	RES, CARBON	1 K 5	% 1/6W
C N 1 8	E40-7440-08	CONNECTOR - PIN CONNECTOR 5P	R 3 0	R S 1 4 G B 3 A R 3 3 J	RES. METAL FILM	0.33 5	
C N 2 3 C N 2 4 C O 1	E40-3240-05 E40-7333-08 C90-3018-08	PIN CONNECTOR 5P PIN CONNECTOR 2P CAP. ELECTRO 1 105°C 50V	R 3 4 R 3 5 R 3 6 R 3 7	R D I 4 B B 2 C I 2 2 J R D I 4 B B 2 C I 2 3 J R D I 4 B B 2 C 3 O 2 J R D I 4 B B 2 C 5 I O J	RES, CARBON RES, CARBON RES, CARBON	1.2K 5 12K 5 3K 5 51 5	% 1/6W % 1/6W % 1/6W
C O 1 C O 2 C O 3	C 9 1 - 1 3 2 3 - 0 8 N O U S E C 9 0 - 3 0 4 6 - 0 8	CAP. CERAMIC 0.1 20% 250V CAP. ELECTRO 100 105°C 50V	R 3 8 R 3 9 R 4 0	R D 1 4 B B 2 C 1 3 3 J R D 1 4 B B 2 C 2 7 3 J R N 1 4 B K 2 C 5 1 R O F			% 1/6W % 1/6W
D 1 D 2 D 3	1B 4 B 4 2 ER A 1 5 - 0 1 1 S S 2 7 0 A	DIODE, STACK DIODE DIODE	R 4 3 R 4 4 R 4 5	R D I 4 B B 2 C I 0 3 J R D I 4 B B 2 C I 0 I J R D I 4 D B 2 H 2 O 2 J	RES. CARBON	10K 5 100 5 2K 5	% 1/6W
D 4 D 5 D 6 D 7	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE DIODE DIODE	R 6 7 R 7 4 R 7 5	R S 1 4 G B 3 D R 1 5 J R D 1 4 B B 2 C 1 0 2 J R D 1 4 D B 2 H 2 0 2 J		0.15 5 1 K 5 2 K 5	% 1/6W
D 8 D 9 D 1 0	1 S S 2 7 0 A NO USE D 1 0 X B 4 0 ER A I 5 - 0 1	DIODE, STACK DIODE	R 7 6 R 7 7 R 7 8 R 7 9	R D I 4 B B B 2 C I O 2 J NO U S E R D I 4 B B 2 C I O 2 J R D I 4 D B 2 H I O 2 J	RES. CARBON RES. CARBON		% 1/6W
D 1 4 D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE DIODE	R 8 5	RD14DB2H101J		100 5	
D 2 8	188270A	DIODE	R 8 8 R 8 9	RDI4BB2C104J NO USE			1/64
D 3 3 D 3 4	ERA 15 - 01 155270A	DIODE DIODE	R 9 0 R 9 1 R 9 2 R 9 3	R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 2 O 5 J	RES. CARBON RES. CARBON	1 K 5 1 O K 5 1 K 5 2 H 5	1/6W 1/6W 1/6W
D 3 7 D 3 8 D 3 9	ERA15 - 01 188270A ERA15 - 01	D I O D E D I O D E	R 9 4 R 9 5 R 9 6	R D 1 4 B B 2 C 1 O O J NO USE R D 1 4 B B 2 C 9 1 2 J	RES. CARBON	10 5 9.1K 5	
D O 1	3 0 D 1	DIODE	R 3 2 A R 3 2 B	R S 1 4 G B 3 A R 3 3 J R S 1 4 G B 3 A R 3 3 J	RES. METAL FILM RES. METAL FILM		% 1 W
1 C 1 1 C 2 1 C 3	UPC151C UPC151C UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULATOR	R O 1	R N 1 4 B K 2 C 1 0 0 3 F	RES. METAL FILM		% 1/6W
109	BA 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.	R Y 1 R Y 2 R Y 3	S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8	RELAY RELAY RELAY		
LED1 LED2 LED0 LED01	L N 2 2 2 R P E N 3 2 2 G P L N 2 2 2 R P L N 2 2 2 R P	LED: RED 1.ED; GREEN LED: RED LED: RED	RY4 SW1 SW2	\$76-0634-06 \$76+0630-08 \$68-0631-05 \$31-1512-08	RELAY OUTPUT SW MASTER/SLAVE SWI	тсн	
Q 1 Q 2 Q 3	2SC1815 (GR) 2SC1815 (GR) 2SC1815 (GR)	TR. SI, NPM TR. SI, NPM TR. SI, NPM	V R I V R 2 V R 3	R 1 2 - 1 5 6 5 - 0 8 R 1 2 - 5 5 4 7 - 0 8 R 1 2 - 0 5 9 7 - 0 8	RES. SEMI FIXED RES. SEMI FIXED RES. SEMI FIXED	2 K B 1 0 0 K B	

H Z S 6 A

PR18-5A

Y86-1870-00

NAME & DESCRIPTION COVER FRONT PANEL REF. NO PARTS NO A 0 I - 1 2 3 8 - 0 8 A 6 3 - 0 I 1 4 - 0 8 METER; VOLT KETER; CURRENT B 3 1 - 0 7 5 7 - 0 8 B 3 1 - 0 7 5 8 - 0 8 METER: CURRENT SERIAL NO. PLATE MASTER/SLAVE LABEL FUSE RATING LABEL RATING: AC120 V 50/60HZ 165W RATING: AC120 V 50/60HZ 165W RATING: AC220 V 50/60HZ 165W RATING: AC240 V 50/60HZ 165W RATING: AC240 V 50/60HZ 165W RATING: AC210 V 60HZ 165W INSTRUCTION MANUAL: JAPANESE INSTRUCTION MANUAL: ENGLISH TERMINAL. RED B 4 0 - 2 7 3 7 - 2 4 B 4 2 - 3 7 3 1 - 0 8 B 4 2 - 3 7 3 8 - 0 8 B 4 2 - 6 0 5 5 - 0 8 B 4 2 - 6 0 5 6 - 0 8 B 4 2 - 6 0 5 7 - 0 8 B 4 2 - 6 0 5 8 - 0 8 B 4 2 - 6 0 5 9 - 0 8 B 6 3 - 0 1 7 3 - 0 0 B 6 3 - 0 1 7 4 - 0 0 E 2 1 - 0 6 7 1 - 0 3 E 2 1 - 0 6 7 1 - 0 3 E 2 1 - 0 6 7 2 - 0 3 TERMINAL, RED TERMINAL, BLACK TERMINAL, WHITE SHORTING BAR E 29-0506-04 E 29-0542-08 E 30-0027-35 LUG; M3 UL/CSA JIS SAA CEE BS POWER CORD POWER CORD POWER CORD POWER CORD E 3 0 - 0 0 2 7 - 3 5 E 3 0 - 0 5 4 5 - 0 5 E 3 0 - 0 5 7 1 - 1 5 E 3 0 - 1 8 1 5 - 0 5 E 3 0 - 1 8 6 7 - 0 5 HEAT SINK F01-0886-08 F 0 5 - 3 0 2 2 - 0 5 F 2 9 - 0 5 1 7 - 0 8 FUSE(6X32NN) 3A/2: INSULATOR; FOR Q6/Q11 INSULATOR; FOR Q11A/Q11B/Q11C FUSE(5X20MM) 3A/250V FUSE(6X30MM) 5A/125V F 2 9 - 0 5 1 8 - 0 8 F 5 0 - 0 0 0 4 - 0 8 F 5 1 - 0 0 1 0 - 0 8 H 1 0 - 2 8 5 6 - 0 8 H 1 0 - 2 8 5 7 - 0 8 FUSE (6X30 MM) 5A/125V FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR) II 2 0 - 1 7 3 4 - 0 8 II 5 3 - 0 1 1 3 - 0 8 VINYL COVER CARTON BOX CARTON BOX FOOT CLAMPER: FOR 2-CORE AC CORD CLAMPER: FOR 3-CORE AC CORD BRACKET: FOR AC CORD BUSHING VOLUME SPACER: FOR VRO1 BUSHING: FOR 2-CORE AC CORD BUSHING: FOR 3-CORE AC CORD J 0 2 - 0 5 2 9 - 0 8 J 1 9 - 1 6 7 1 - 0 8 J 1 9 - 1 6 7 2 - 0 8 J 2 | - 4 7 2 0 - 0 8 J 2 | - 4 7 5 8 - 0 8 130-0635-08 J 42-0083-05 J 42-0085-05 K 0 1 - 0 4 1 7 - 0 5 K 2 1 - 0 9 0 7 - 1 4 K 2 1 - 0 9 1 1 - 0 4 II A N D L. E K N O B KNOB; FINE/CURRENT KNOB; FINE/CURRENT KNOB, OUTPUT PUSH BUTTON, ORANGE; POWER POWER TRANSFORMER SCREW, SEMS PAN IID M3X6 SCREW, SEMS BINDING TAPTITE 3X6 SCREW, SEMS PAN IID M3X10 SCREW, SEMS TAPTITE 3X10 FLANGE NUT M3 SCREW, BINDING TAPTITE 3X6 SCREW, BINDING TAPTITE 3X12 PUSII SWITCH; POWER K 2 4 - 3 0 0 6 - 0 4 K 2 7 - 0 5 0 9 - 0 4 I, 07-1518-08 N O 9-0718-05 N O 8 - 0 7 5 7 - 0 5 N O 9 - 0 7 7 6 - 0 5 N O 9 - 0 7 7 7 - 0 5 N O 9-0789-05 NO9-0797-08 N 1 4-0404-04 N 8 9 - 3 0 0 6 - 4 1 N 8 9 - 3 0 1 2 - 4 1 PUSH SWITCH; POWER W O 2 - 2 2 6 9 - 0 8 VOLUME VROI R 2 9 - 3 5 0 3 - 0 8 10 K V R O 3 R 29-3504-08 VOI. UNE 1 0 K

PR18-5A AMP UNIT

		/02-2269-08
REF, N	O PARTS NO E2!-0674-08 E40-7141-08 E40-7142-08 J13-0518-08 J73-0326-08	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP:FOR 6X30MM PCB (UNMOUNTED)
C 1 C 2 C 3 C 4 C 5 C 6	R92-0150-05 R92-1061-05 C90-3019-08 C992-N1H102-K C91-2559-08 CQ92-N1H172-K CQ92-N1H103-K NO USE	JUMPING RES. ZERO OHM (10 MM) JUMPING RES. ZERO OHM (5 MM) CAP. ELECTRO 1000 105 C 35 V CAP. MYLAR 1000P 10% 50 V CAP. CERANIC 0.1 0.25 P 50 V CAP. MYLAR 4700P 10% 50 V CAP. MYLAR 0.01 10% 50 V
C 7 C 8 C 9 C 1 0	C 9 0 - 3 0 2 0 - 0 8 C F 9 3 A N 2 E R 2 2 K NO U S E C 9 0 - 3 0 2 4 - 0 8	CAP. ELECTRO 100 105 C 25 V CAP. POLYESTER 0.22P 10 % 250 CAP. ELECTRO 3300 105 C 35 V
C 1 1	CF93AN1JR22K C91-2559-08	CAP. POLYESTER 0.22P 10% 63V CAP. CERANIC 0.1 0.25P 50V
C 2 6	C 9 0 - 3 1 7 4 - 0 8	CAP. ELECTRO 10 1% 50V
C 2 7 C 2 8 C 2 9	NO USE C90-3020-08 C91-2559-08	CAP. ELECTRO 100 105°C 25V CAP. CERAMIC 0.1 0.25P 50V
C 3 2	CF93AN1J1R0K	CAP. POLYESTER IP 10% 63V
C N 1 C N 2 C N 3	E 4 0 - 7 2 I 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 NO USE	PIN CONNECTOR 2P PIN CONNECTOR 3P
C N 4 C N 5 C N 6 C N 7 C N 8	E 40 - 7126 - 08 E 40 - 7219 - 08 E 40 - 7219 - 08 E 40 - 7219 - 08 E 40 - 7229 - 08 E 40 - 7229 - 08	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 3P PIN CONNECTOR 4P PIN CONNECTOR 4P
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P
C N 1 8	E 40 - 7440 + 08	CONNECTOR
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P
C 0 1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105°C 5 0 V
C 0 1 C 0 2 C 0 3	C 9 1 - 1 3 2 3 - 0 8 NO USE C 9 0 - 3 0 4 6 - 0 8	CAP. CERANIC 0.1 20% 250V CAP. ELECTRO 100 105°C 50V
D 1 D 2 D 3 D 4 D 5 D 6 D 7	1 B 4 B 4 2 E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A N O U S E	DIODE, STACK DIODE DIODE DIODE DIODE DIODE DIODE DIODE
D 9 D 1 0	D 1 5 X B 4 0 E R A 1 5 - 0 1	DIODE, STACK DIODE
D 1 4 D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE DIODE
D 2 8	1 S S 2 7 0 A	DIODE
D 3 3 D 3 4	ERA15-01 1SS270A	DIODE
D 3 7 D 3 8 D 3 9	E R A 1 5 - 0 1 1 S S 2 7 0 A E R A 1 5 - 0 1	D 1 0 D E D 1 0 D E D 1 0 D E
001	3001	DIODE
I C 1 I C 2 I C 3	UPC151C UPC151C UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULATOR
I C 9	II A 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE &C.
. E D 2 . E D O	L N 3 2 2 G P I. N 2 2 2 R P I. N 2 2 2 R P L N 2 2 2 R P	LED; GREEN LED; RED LED; RED LED; RED
2	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN TR. SI, NPN

W 0 2 - 2 2 6 R E F . N 0 Q 4 Q 5 Q 6 Q 7 Q 8 Q 9 Q 1 0 Q 1 1	PARTS NO 2SC1815 (GR) 2SC1815 (GR) 2SD1148 (O) 2SC2238 (Y) 2SC3421 (Y) 2SC3421 (Y) 2SC1815 (GR) 2SC1816 (GR)	TR. TR. TR. TR. TR. TR. TR.	SI, NI SI, NI SI, NI SI, NI SI, NI SI, NI	PN PN PN PN PN PN PN	N 10 1 T יו 1	
Q 1 5 Q 1 6 Q 1 7	2 S C 1 8 1 5 (G R) NO USE DT A 1 4 3 E F	TR. TR.	SI, NI			
Q 1 1 A Q 1.1 B Q 1 1 C	2 S D 1 1 4 8 (0) 2 S D 1 1 4 8 (0) 2 S D 1 1 4 8 (0)	T R . T R . T R .	SI, NE SI, NE SI, NE	N		
R I R 2	RD: 4BB2C122J RD: 4BB2C123J	RES. RES.	CARBO CARBO		1.2K 12K	5% 1/6W 5% 1/6W
R 2 R 3 R 4 R 5 R 6 R 7 R 8 R 9 R 1 0 R ! 1	RD14DB2U302J RD14BB2C302J RD14BB2C510J RD14BB2C510J RD14BB2C510J RD14BB2C5101F RD14BB2C5101F RD14BB2C502J RD14BB2C501J RD14BB2C503J RD14BB2C503J	RES. RES. RES. RES. RES. RES. RES. RES.	CARBO CARBO CARBO CARBO CARBO METAL CARBO CARBO CARBO CARBO CARBO) N) N) N) N) N . F ! L X ! N ! N	3 K 3 K 5 1 1 K 2 7 K 5 . 1 K 2 . K 1 K 1 0 0 5 1 K	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 1 1/6W 1 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W
R 1 3 R 1 4 R 1 5 R 1 6 R 1 7	R D I 4 B B 2 C 2 O 2 J R D I 4 B B 2 C 1 5 2 J R D I 4 B B 2 C 1 O 2 J R D I 4 B B 2 C 5 I 2 J N O U S E	RES. RES. RES. RES.	CARBO CARBO CARBO CARBO	N N	2 K 1 . 5 K 1 K 5 . 1 K	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W
R 1 8 R 1 9 R 2 0 R 2 1 R 2 2 R 2 3 R 2 4	R D I 4 B B 2 C 5 1 3 J R D I 4 B B 2 C 1 0 3 J R D I 4 B B 2 C 1 0 2 J R N I 4 B K 2 C 3 3 0 3 F R D I 4 B B 2 C 1 0 2 J R N I 4 B K 2 C 9 I 0 1 F R N I 4 B K 2 C 3 0 0 1 F	RES. RES. RES. RES. RES.	CARBO CARBO CARBO METAL CARBO METAL METAL	N N FILM N	5 1 K 1 0 K 1 K 3 3 0 K 1 K 9 . 1 K 3 K	5% 1/6W 5% 1/6W 5% 1/6W 1% 1/6W 5% 1/6W 1% 1/6W 1% 1/6W
R 2 7 R 2 8 R 2 9 R 3 0 R 3 1	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 1 0 3 J R S 1 4 G B 3 D 1 5 2 J R S 1 4 G B 3 A R 3 3 J NO USE	RES. RES. RES.	CARBO CARBO METAL METAL	N FILM FILM	1 K 1 0 K 1 . 5 K 0 . 3 3	5% 1/6W 5% 1/6W 5% 2W 5% 1W
R 3 2 R 3 3 R 3 4 R 3 5	R S 1 4 G B 3 A R 3 3 J NO USE R D 1 4 B B 2 C 1 2 2 J R D 1 4 B B 2 C 1 2 3 J	RES. RES. RES.	CARBOI CARBOI		0.33 1.2K 12K	5% 1 / 6 W 5% 1 / 6 W
R 3 6 R 3 7 R 3 8 R 3 9 R 4 0	R D I 4 B B 2 C 3 O 2 J R D I 4 B B 2 C 5 I O J R D I 4 B B 2 C I 3 3 J R D I 4 B B 2 C 2 7 3 J R N I 4 B K 2 C 5 I R O F	RES. RES. RES. RES.	CARBON CARBON CARBON METAL	N N N	3 K 5 1 1 3 K 2 7 K 5 1 . 0	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 1% 1/6W
R 4 3 R 4 4 R 4 5	R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 1 O 1 J R D 1 4 D B 2 H 2 O 2 J	RES. RES. RES.	CARBO! CARBO! CARBO!	N	1 0 K 1 0 0 2 K	5% 1/6W 5% 1/6W 5% 1/2W
R 6 7	R S I 4 G B 3 D R 1 2 J	RES.	X E T A L	FILM	0.12	5 % 2 W
R 7 4 R 7 5 R 7 6 R 7 7	R D1 4 B B 2 C 1 0 2 J R D1 4 D B 2 H 2 O 2 J R D1 4 B B 2 C 1 O 2 J NO USE	RES. RES. RES.	CARBON CARBON CARBON	N	1 K 2 K 1 K	5% 1/6W 5% 1/2W 5% 1/6W
R 7 8 R 7 9	R D I 4 B B 2 C 1 O 2 J R D I 4 D B 2 H 1 O 2 J	RES. RES.	CARBON CARBON		1 K 1 K	5% 1/6W 5% 1/2W
R 8 5	R D1 4 D B 2 H 1 O 1 J	RES.	CARBON	4	1 0 0	5 % 1 / 2 W
R 8 8 R 8 9	RDI4BB2C104J NO USE	RES.	CARBON			5% 1/6W
R 9 0 R 9 1 R 9 2 R 9 3 R 9 4 R 9 5	R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 1 0 3 J R D1 4 B B 2 C 1 0 2 J R D1 4 B B 2 C 2 0 5 J R D1 4 B B 2 C 1 0 0 J NO USE	RES. RES. RES. RES.	CARBON CARBON CARBON CARBON	i ! !	1 0 K 1 K 2 H	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W
R 9 6	R D 4 B B 2 C 9 1 2 J	RES.	CARBON			5% 1/6W
R 3 2 A R 3 2 B R 3 2 C	R SI 4 G B 3 A R 3 3 J R SI 4 G B 3 A R 3 3 J R SI 4 G B 3 A R 3 3 J	RES. RES. RES.	METAL METAL METAL	FILM FILM FILM	0.33	5% 1W 5% 1W 5% 1W
R O 1	R N1 4 B K 2 C 4 0 0 3 F	RES.	METAL	FILK	100K	1 % 1 / 6 W
R Y 1 R Y 2 R Y 3 R Y 4	S 76 - 0 6 0 4 - 0 8 S 76 - 0 6 0 4 - 0 8 S 76 - 0 6 0 4 - 0 8 S 76 - 0 6 0 4 - 0 8 S 76 - 0 6 3 0 - 0 8	RELAY RELAY RELAY RELAY				

REF. NO	PARTS NO	NAME & DESCRI	NOITS
S W 1	S 6 8 - 0 6 3 1 - 0 5	OUTPUT SW	TCH
S W 2	S 3 1 - 1 5 1 2 - 0 8	MASTER/SLAVE SWI	
V R 1	R 1 2 - 1 5 6 5 - 0 8	RES. SEMI FIXED	100KB
V R 2	R 1 2 - 5.5 4 7 - 0 8	RES. SEMI FIXED	
V R 3	R 1 2 - 0 5 9 7 - 0 8	RES. SEMI FIXED	
Z D 1	11 Z S G A	DIODE, ZENER	5.75 V

PARTS LIST

		Y86-1880-00
REF. NO	PARTS NO A01-1236-08 A63-0115-08 B31-0756-08 B31-0759-08 B40-2737-24 B42-3731-08 B42-3740-08	NAME & DESCRIPTION COVER FRONT PANEL METER: CURRENT METER: VOLT SERIAL NO. PLATE MASTER/SLAVE LABEL FUSE RATING LABEL
	842-6025-08 842-6025-08 842-6027-08 842-6027-08 842-6028-08 842-6028-08 842-6029-08 863-0173-00 821-0670-03 821-0672-03 821-0672-03	RATING: AC100V 50/60HZ 73W RATING: AC120V 50/60HZ 73W RATING: AC220V 50/60HZ 73W RATING: AC220V 50/60HZ 73W RATING: AC240V 50/60HZ 73W RATING: AC120V 60HZ 73W INSTRUCTION MANUAL; JAPANESE INSTRUCTION MANUAL; ENGLISH TERMINAL, RED TERMINAL, BLACK TERMINAL, WHITE SHORTING BAR LUG: M3
	E 3 0 - 0 0 2 7 - 3 5 E 3 0 - 0 5 4 5 - 0 5 E 3 0 - 0 5 7 1 - 1 5 E 3 0 - 1 8 1 5 - 0 5 E 3 0 - 1 8 6 7 - 0 5	UL/CSA POWER CORD JIS POWER CORD SAA POWER CORD CEE POWER CORD BS POWER CORD
	F01-0884-08 F05-1521-08 F29-0517-08 F50-0003-08 F51-0008-08 H10-2853-08 H10-2855-08 H10-2855-08 H10-2855-08 H10-2855-08 H20-1734-08 H20-1734-08	
	$\begin{array}{c} J19-1671-08 \\ J19-1672-08 \\ J21-4720-08 \\ J21-475-08 \\ J21-475-08 \\ J30-0635-08 \\ J42-0083-05 \\ J42-0085-05 \\ K21-0907-14 \end{array}$	CLAMPER; FOR 2-CORE AC CORD CLAMPER; FOR 3-CORE AC CORD BRACKET; FOR P.C.B BRACKET; FOR AC CORD BUSHING VOLUME SPACER; FOR VRO1 BUSHING; FOR 2-CORE AC CORD BUSHING; FOR 3-CORE AC CORD KNOB
	$ \begin{array}{c} \text{K 2 1} - 0.9 & \text{I} & \text{I} - 0.4 \\ \text{K 2 2} - 3.0 & \text{O} & \text{G} - 0.4 \\ \text{K 2 2} - 0.5 & \text{O} & \text{9} - 0.4 \\ \text{L 0.7} - 1.5 & \text{I} & \text{9} - 0.8 \\ \text{N O.9} - 0.7 & \text{I} & \text{8} - 0.5 \\ \text{N O.9} - 0.7 & \text{2} & \text{0} - 0.5 \\ \text{N O.9} - 0.7 & \text{2} & \text{0} - 0.5 \\ \text{N O.9} - 0.7 & \text{5} & \text{7} - 0.5 \\ \text{N O.9} - 0.7 & \text{8} & \text{9} - 0.5 \\ \text{N O.9} - 0.7 & \text{9} & \text{7} & \text{9} & \text{7} & \text{9} \\ \text{N O.9} - 0.7 & \text{9} & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{9} & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{9} & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} & \text{0} \\ \text{N O.9} - 0.7 & \text{0} \\ \text{0} - 0.7 $	KNOB: FINE / CURRENT KNOB. OUTPUT PUSH BUTTON, ORANGE: POWER POWER TRANSFORMER SCREW, SEMS PAN HD M3X6 SCREW, SEMS PAN HD M3X10 SCREW, SEMS BINDING TAPTITE 3X SCREW, SEMS TAPTITE 3X10 FLANGE NUT M3
V R O 1 V R O 2 V R O 3	$\begin{array}{c} \text{N 8 9 - 3 0 0 6 - 4 1} \\ \text{N 8 9 - 3 0 1 0 - 4 1} \\ \text{S 4 0 - 2 5 3 3 - 0 8} \\ \text{M 0 2 - 2 5 3 3 - 0 8} \\ \text{R 2 9 - 3 5 0 3 - 0 8} \\ \text{R 3 9 - 0 8 0 0 - 0 8} \\ \text{R 2 9 - 3 5 0 4 - 0 8} \end{array}$	SCREW, BINDING TAPTITE 3XG SCREW, BINDING TAPTITE 3X10 PUSH SWITCH; POWER AMP UNIT VOLUME 10K VOLUME 1K VOLUME 10K

PR36-1.2A

PR36-1.2A AMP UNIT W02-2270-08				
REF. NO	PARTS NO E21-0674-08 E40-4142-08	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR IP		
	E 4 0 - 7 1 4 1 - 0 8 J 1 3 - 0 5 1 8 - 0 8	PIN CONNECTOR 2P(LINE VOLTAGE) FUSE CLIP; FOR 6X30MM		
	J 7 3 - 0 3 2 6 - 0 8 R 9 2 - 0 1 5 0 - 0 5 R 9 2 - 1 0 6 1 - 0 5	PCB (UNMOUNTED) JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM)		
C 1 C 2	C 9 0 - 3 0 2 3 - 0 8 C Q 9 2 M 1 H 1 0 2 K	CAP. ELECTRO 470 105°C 35V CAP. MYLAR 1000P 10% 50V		
C 3 C 4 C 5	C 9 1 - 2 5 5 9 - 0 8 C Q 9 2 M 1 H 4 7 2 K C Q 9 2 K 1 H 1 0 3 K	CAP. CERAMIC 0.1 0.25P 50V CAP. MYLAR 4700P 10% 50V CAP. MYLAR 0.01 10% 50V		
C 6 C 7	NO USE C90-3020-08	CAP. ELECTRO 100 105°C 25V		
C 8 C 9	CF93AN2ER22K NO USE	CAP. POLYESTER 0.22P 10% 250 CAP. ELECTRO 1000 105°C 63V		
C 1 0 C 1 1	C 9 0 - 3 0 2 5 - 0 8 C F 9 3 A N 1 J R 2 2 K	CAP. ELECTRO 1000 105°C 63V CAP. POLYESTER 0.22P 10% 63V		
C 2 2	C 9 1 - 2 5 5 9 - 0 8	CAP. CERANIC 0.1 0.25P 50V		
C 2 6 C 2 7	C 9 0 - 3 1 7 4 - 0 8 N 0 U S E C 9 0 - 3 0 2 0 - 0 8	CAP. ELECTRO 10 1% 50V CAP. ELECTRO 100 105°C 25V		
C 2 8 C 2 9	C 9 1 - 2 5 5 9 - 0 8	CAP. ELECTRO 100 105°C 25V CAP. CERAMIC 0.1 0.25P 50V		
C 3 2	C F 9 3 A N 1 J 1 R 0 K	CAP. POLYESTER 1P 10% 63V		
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 NO USE	PIN CONNECTOR 2P PIN CONNECTOR 3P		
C N 4 C N 5	F. 40 - 7126 - 08 F. 40 - 7219 - 08	PIN CONNECTOR 2P PIN CONNECTOR 3P		
C N 6 C N 7	N () U S E E 4 0 - 7 2 2 9 - 0 8	PIN CONNECTOR 4P		
C N 1 1 C N 1 2	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P		
C N 1 3	E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 2P		
C N 1 8	E 4 0 - 7 4 4 0 - 0 8 E 4 0 - 3 2 4 0 - 0 5	CONNECTOR PIN CONNECTOR 5P		
C N 2 4	E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 2P		
001	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105°C 50V		
C 0 1 C 0 2 C 0 3	C 9 1 - 1 3 2 3 - 0 8 NO USE C 9 0 - 3 0 4 6 - 0 8	CAP. CERAMIC 0.1 20% 250° CAP. ELECTRO 100 105° C 50V		
D 1 D 2	1 B 4 B 4 2 E R A 1 5 - 0 1	DIODE, STACK DIODE		
D 3 D 4 D 5	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D 1 0 D E D 1 0 D E D 1 0 D E		
D 6 D 7	1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE		
D 8 D 9	NO USE D3SB60	DIODE, STACK		
D 1 0 D 1 4	ERA 15-01	DIODE		
D 1 5 D 1 6	1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE		
0 2 8	1 S S 2 7 0 A	DIODE		
D 3 3 D 3 4	E R A 1 5 - 0 1 1 S S 2 7 0 A	D 1 O D E		
D 3 7 D 3 8 D 3 9	E R A 1 5 - 0 1 1 S S 2 7 0 A E R A 1 5 - 0 1	DIODE DIODE		
D O 1	E R A 1 5 - 0 1	DIODE		
I C 1 I C 2	UPC151C UPC151C	IC, OP AMP		
I C 3	UPC1093J	IC, VARIABLE SHUNT REGULATOR IC, TERMINAL FIXED VOLTAGE REG.		
LEDI	I. N 2 2 2 R P	LED; RED		
LED2	I. N 3 2 2 G P	LED; GREEN		
LEDO1	LN222RP 2SC1815 (GR)	TR. SI, NPN		

REF. NO	PARTS NO	NAME & DESCRIPTION
Q 4 Q 5 Q 6	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S D I I 4 8 (O)	TR. SI, NPN TR. SI, NPN TR. SI, NPN
Q 7 Q 8	2 S C 2 2 3 8 (Y) 2 S C 3 4 2 1 (Y)	TR. SI, NPN TR. SI, NPN
Q 9 Q 1 0 Q 1 1	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S D I 1 4 8 (0)	TR. SI, NPN TR. SI, NPN TR. SI, NPN
Q 1 5 Q 1 6 Q 1 7	2 S C 1 8 1 5 (G R) NO USE D T A 1 4 3 E F	TR. SI, NPN TR. DIGITAL
R 1 R 2	R D 1 4 B B 2 C 1 2 2 J R D 1 4 B B 2 C 1 2 3 J	RES. CARBON 1.2K 5% 1/6W RES. CARBON 12K 5% 1/6W
K 2	R D 1 4 D B 2 H 3 O 2 J	RES. CARBON 3K 5% 1/2W
R 3 R 4 R 5	R D I 4 B B 2 C 3 O 2 J R D I 4 B B 2 C 5 I O J R D I 4 B B 2 C I 2 3 J	RES. CARBON 3K 5% 1/6W RES. CARBON 51 5% 1/6W RES. CARBON 12K 5% 1/6W
R 6 R 7 R 8	R D 1 4 B B 2 C 2 7 3 J R N 1 4 B K 2 C 2 4 0 1 F R D 1 4 B B 2 C 2 0 2 J	RES. CARBON 27K 5% 1/6W RES. METAL FILM 2.4K 1% 1/6W RES. CARBON 2K 5% 1/6W
R 9 R 1 0 R 1 1	R D I 4 B B 2 C I 0 2 J R D I 4 B B 2 C I 0 3 J R D I 4 B B 2 C 5 I 3 J	RES. CARBON 1K 5% 1/6W RES. CARBON 51K 5% 1/6W RES. CARBON 51K 5% 1/6W
R 1 2 R 1 3 R 1 4	N() USE RD14BB2C202J RD14BB2C152J	RES. CARBON 2K 5% 1/6W RES. CARBON 1.5K 5% 1/6W
R 1 5 R 1 6 R 1 7	R D † 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 5 1 2 J N O U S E	RES. CARBON 1K 5% 1/6W RES. CARBON 5.1K 5% 1/6W
R 1 8 R 1 9	R D 1 4 B B 2 C 5 1 3 J R D 1 4 B B 2 C 1 0 3 J	RES. CARBON 51K 5% 1/6W RES. CARBON 10K 5% 1/6W
R 2 0 R 2 1 R 2 2	R D 1 4 B B 2 C 1 0 2 J R N 1 4 B K 2 C 3 3 0 3 F R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 1K 5% 1/6W RES. METAL FILM 330K 1% 1/6W RES. CARBON 1K 5% 1/6W
R 2 3 R 2 4	R N 1 4 B K 2 C 9 1 O 1 F R N 1 4 B K 2 C 3 O O 1 F	RES. METAL FILM 9.1K 1% 1/6W RES. METAL FILM 3K 1% 1/6W
R 2 7 R 2 8	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 1 0 3 J	RES. CARBON 1K 5% 1/6W RES. CARBON 10K 5% 1/6W RES. METAL FILM 3.9K 5% 2W
R 2 9 R 3 0 R 3 1	R S 1 4 G B 3 D 3 9 2 J R S 1 4 G B 3 A R 4 7 J N O U S E	RES. METAL FILM 0.47 5% 1W
R 3 2 R 3 3 R 3 4	R S 1 4 G B 3 A R 4 7 J N () U S E R D 1 4 B B 2 C 1 2 2 J	RES. METAL FILM 0.47 5% 1W RES. CARBON 1.2K 5% 1/6W
R 3 5 R 3 6	R D 1 4 B B 2 C 1 2 3 J R D 1 4 B B 2 C 3 0 2 J	RES. CARBON 12K 5% 1/6W RES. CARBON 3K 5% 1/6W
R 3 7 R 3 8 R 3 9	R D 1 4 B B 2 C 5 1 0 J R D 1 4 B B 2 C 3 3 3 J R D 1 4 B B 2 C 2 7 3 J	RES. CARBON 51 5% 1/6W RES. CARBON 33K 5% 1/6W RES. CARBON 27K 5% 1/6W
R 4 0 R 4 3	R N 1 4 B K 2 C 5 1 R O F R D 1 4 B B 2 C 1 O 3 J	RES. METAL FILM 51.0 1% 1/6W RES. CARBON 10K 5% 1/6W
R 4 4 R 4 5	R D 1 4 B B 2 C 1 O 1 J R D 1 4 D B 2 H 8 2 2 J	RES. CARBON 100 5% 1/6W RES. CARBON 8.2K 5% 1/2W
R 6 7	R S 1 4 G B 3 D R 2 2 J	RES. METAL FILM 0.22 5% 2W
R 7 4 R 7 5 R 7 6	R D 1 4 B B 2 C 1 0 2 J R D 1 4 D B 2 H 8 2 2 J R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 8.2K 5% 1/2W RES. CARBON 1K 5% 1/6W
R 7 7 R 7 8 R 7 9	NO USE RD14BB2C102J RD14DB2H102J	RES. CARBON 1 K 5 % 1/6 W RES. CARBON 1 K 5 % 1/2 W
R 8 5	R D 1 4 D B 2 H 1 O 1 J	RES. CARBON 100 5% 1/2W
R 8 8 R 8 9	R D 1 4 B B 2 C 1 O 4 J NO U S E	RES. CARBON 100K 5% 1/6W RES. CARBON 1K 5% 1/6W
R 9 0 R 9 1 R 9 2	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 1 0 3 J R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 10K 5% 1/6W RES. CARBON 1K 5% 1/6W
R 9 3 R 9 4 R 9 5	R D 1 4 B B 2 C 2 O 5 J R D 1 4 B B 2 C 5 1 O J N O U S E	RES. CARBON 2M 5% 1/6W RES. CARBON 51 5% 1/6W
R 9 6	R D 1 4 B B 2 C 9 1 2 J	RES. CARBON 9.1K 5% 1/6W
R O 1 R Y 1	R N 1 4 B K 2 C 1 0 0 3 F S 7 6 - 0 6 0 4 - 0 8	RES. METAL FILM 100K 1% 1/6W RELAY
R Y 2 R Y 3 R Y 4	S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 3 0 - 0 8	RELAY RELAY RELAY
S W 1 S W 2	S 6 8 - 0 6 3 1 - 0 5 S 3 1 - 1 5 1 2 - 0 8	OUTPUT SW MASTER/SLAVE SWITCH
V R 1 V R 2 V R 3	R 1 2 - 1 5 6 4 - 0 8 R 1 2 - 5 5 4 7 - 0 8 R 1 2 - 0 5 9 7 - 0 8	RES. SEMI FIXED 1KB RES. SEMI FIXED 100KB RES. SEMI FIXED 100
Z D 1	H Z S 6 A	DIODE, ZENER 5.75V

	Y86-1890-00	_
REF. NO	PARTS NO A 0 1 - 1 2 3 8 - 0 8 A 6 3 - 0 1 1 6 - 0 8 B 3 1 - 0 7 6 0 - 0 8 B 3 1 - 0 7 6 0 - 0 8 B 4 0 - 2 7 3 7 - 2 4 B 4 2 - 3 7 3 1 - 0 8 B 4 2 - 3 7 3 1 - 0 8 B 4 2 - 3 7 3 8 - 0 8 B 4 2 - 3 7 3 8 - 0 8 B 4 2 - 6 0 4 5 - 0 8 B 4 2 - 6 0 4 5 - 0 8 B 4 2 - 6 0 4 6 - 0 8 B 4 2 - 6 0 4 6 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 7 - 0 8 B 4 2 - 6 0 4 8 - 0 8 B 4 2 - 6 0 4 8 - 0 8 B 4 2 - 6 0 4 9 - 0 8 B 4 2 - 6 0 4 8 - 0 8 B 4 2 - 6 0 4 8 - 0 8 B 4 2 - 6 0 4 8 - 0 8 B 4 3 - 10 7 0 0 B 4 3 - 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	E21-0672-03 TERMINAL, WHITE E29-0506-04 SHORTING BAR E30-0542-08 LUG: M3 E30-0545-05 JIS POWER CORD E30-0571-15 SAA POWER CORD E30-1815-05 CEE POWER CORD E30-1867-05 FOI-0886-08 HEAT SINK F05-3022-05 FUSE(6X32MM) 3A/250V F29-0517-08 INSULATOR: FOR Q6/Q11 INSULATOR: FOR Q11A/Q11B/Q11C F50-0004-08 FUSE(5X20MM) 3A/250V FUSE(6X30MM) 5A/125V FUSE(6X30MM) 5A/125V FUSE(6X30MM) 5A/125V FUSE(6X30MM) 5A/125V FUSE(6X30MM) 5A/125V FOMED STYRENE PAD (REAR)	
	K 2 1 - 0 9 1 1 - 0 4 K N O B; F I N E / C U R R E N T K 2 4 - 3 0 0 6 - 0 4 K N O B; O U T P U T L 2 7 - 0 5 0 9 - 0 4 I 0 7 - 15 2 0 - 0 8 N O 9 - 0 7 1 8 - 0 5 S C R E W; S E M S N O 9 - 0 7 7 6 - 0 5 S C R E W; S E M S N O 9 - 0 7 7 7 - 0 5 S C R E W; S E M S N O 9 - 0 7 7 7 - 0 5 S C R E W; S E M S N O 9 - 0 7 7 7 - 0 5 S C R E W; S E M S N O 9 - 0 7 8 9 - 0 5 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 9 - 0 7 9 7 - 0 8 S C R E W; S E M S N O 0 6 - 4 1 S C R E W; B I N D I N G T A P T I T E S X I 2	. χ
V R O 1 V R O 2 V R O 3	\$10-2533-08 PUSH SWITCH: POWER W02-2271-08 ANP UNIT R29-3503-08 VOLUME 10K R29-1508-08 VOLUME 1K R29-3504-08 VOLUME 10K	

PR36-3A

	PR36	6-3A AMP UNIT	REF.		NAME & DESC	RIPTIC) N ·	
W02-2271-08				2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN			
REF. NO	PARTS NO E21-0674-08 E40-7191-08 E40-7142-08 J13-0518-08 J73-0326-08	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LIME VOLTAGE) PIN CONNECTOR 1P(LIME VOLTAGE) FUSE CLIP; FOR 6X30MM PCB (UNMOUNTED)	Q 5 Q 6 Q 7 Q 8 Q 9 Q 1 0	2 S C 1 8 1 5 (G R) 2 S D 1 1 4 4 8 (0) 2 S C 2 2 2 3 8 (Y) 2 S C 3 4 2 1 (Y) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S D 1 1 4 8 (0)	TR. SI, NPN			
C 1 C 2 C 3 C 4 C 5 C 6	R 9 2 - 0 1 5 0 - 0 5 R 9 2 - 1 0 6 1 - 0 5 C 9 0 - 3 0 1 9 - 0 8 C 0 9 2 M 1 H 1 0 2 K C 9 1 - 2 5 5 9 - 0 8 C 0 9 2 M 1 H 4 7 2 K C 0 9 2 M 1 H 1 0 3 K N 0 U S E	JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM) CAP. ELECTRO 1000 105°C 35V CAP. MYLAR 1000P 10% 50V CAP. CERAMIC 0.10.25P 50V CAP. MYLAR 4700P 10% 50V CAP. MYLAR 0.01 10% 50V	Q 1 5 Q 1 6 Q 1 7 Q 1 1 A Q 1 1 B Q 1 1 C	2SD1148(0)	TR. SI, NPN TR. DIGITAL TR. SI, NPN TR. SI, NPN TR. SI, NPN			
C 7 C 8 C 9 C 1 0	C 9 0 - 3 0 2 0 - 0 8 C F 9 3 A N 2 E R 2 2 K N 0 U S E	CAP. ELECTRO 100 105°C 25V CAP. POLYESTER 0.22P 10% 250V CAP. ELECTRO 2200 105°C 63V	R 1 R 2	R D 1 4 B B 2 C 1 2 2 J R D 1 4 B B 2 C 1 2 3 J	RES. CARBON RES. CARBON	1 . 2 K 1 2 K	5 % 5 %	1 / 6 W 1 / 6 W
C 1 1	C 9 0 - 3 0 4 2 - 0 8 C F 9 3 A N 1 J R 2 2 K	CAP. POLYESTER 0.22P 10% 63V	R 2 R 3 R 4	R D 1 4 D B 2 H 3 O 2 J R D 1 4 B B 2 C 3 O 2 J R D 1 4 B B 2 C 5 1 O J	RES. CARBON RES. CARBON RES. CARBON	3 K 3 K 5 1	5 % 5 % 5 %	1/2W 1/6W 1/6W
C 2 2 C 2 6 C 2 7 C 2 8 C 2 9	C 9 1 - 2 5 5 9 - 0 8 C 9 0 - 3 1 7 4 - 0 8 N 0 U S E C 9 0 - 3 0 2 0 - 0 8 C 9 1 - 2 5 5 9 - 0 8	CAP. CERANIC 0.1 0.25P 50V CAP. ELECTRO 10 1% 50V CAP. FLECTRO 100 105 C 25V CAP. CERANIC 0.1 0.25P 50V	R 5 R 6 R 7 R 8 R 9 R 1 0	R D I 4 B B 2 C I 2 3 J R D I 4 B B 2 C 2 7 3 J R N I 4 B B 2 C 2 7 0 I F R D I 4 B B 2 C 2 0 2 J R D I 4 B B 2 C 1 0 2 J R D I 4 B B 2 C 3 0 2 J	RES. CARBON RES. CARBON RES. METAL FILM RES. CARBON RES. CARBON RES. CARBON	1 2 K 2 7 K 2 . 4 K 2 K 1 K 3 K	5 % 5 % 1 % 5 % 5 %	1/6W 1/6W 1/6W 1/6W 1/6W
C 3 2	C F 9 3 A N 1 J 1 R O K	CAP. POLYESTER 1P 10% 63V	R 1 1 R 1 2	RD14BB2C513J NO USE	RES. CARBON	5 1 K	5 %	1/6W 1/6W
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 NO USE	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 2P	R 1 3 R 1 4 R 1 5 R 1 6	R D I 4 B B 2 C 2 O 2 J R D I 4 B B 2 C 1 5 2 J R D I 4 B B 2 C 1 O 2 J R D I 4 B B 2 C 5 I 2 J	RES. CARBON RES. CARBON RES. CARBON RES. CARBON	2 K 1 . 5 K 1 K 5 . 1 K	5 % 5 % 5 %	1/6W 1/6W 1/6W 1/6W
C N 4 C N 5 C N 6 C N 7 C N 8	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8 E 4 0 - 7 2 2 9 - 0 8	PIN CONNECTOR 2.P PIN CONNECTOR 3.P PIN CONNECTOR 3.P PIN CONNECTOR 4.P PIN CONNECTOR 4.P	R 1 7 R 1 8 R 1 9 R 2 0 R 2 1 R 2 2	NO USE RD14BB2C513J RD14BB2C103J RD14BB2C102J RN14BB2C102J RN14BB2C102J RD14BB2C102J	RES. CARBON RES. CARBON RES. CARBON RES. METAL FILM	5 1 K 1 0 K 1 K 3 3 0 K	5 % 5 % 5 %	1/6W 1/6W 1/6W 1/6W
C N 1 1 C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 4P PIN CONNECTOR 2P PIN CONNECTOR 2P	R 2 3 R 2 4	R N 1 4 B K 2 C 9 I 0 2 F R N 1 4 B K 2 C 3 O 0 1 F	RES. CARBON RES. METAL FILM RES. METAL FILM		5 % 1 % 1 %	1/6W 1/6W F/6W
C N 1 8	E 4 0 - 7 4 4 0 - 0 8	CONNECTOR	R 2 7 R 2 8 R 2 9	R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 1 O 3 J R S 1 4 G B 3 D 3 9 2 J	RES. CARBON RES. CARBON RES. METAL FILM	1 0 K	5 % 5 % 5 %	1 / 6 W 1 / 6 W 2 W
C N 2 3 C N 2 4	E 4 0 - 3 2 4 0 - 0 5 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 5P PIN CONNECTOR 2P	R 3 0 R 3 1	RS14GB3AR51J NO USE	RES. METAL FILM	0.51	5 %	1 W
C 0 1	C 9 0 - 3 0 1 8 - 0 8	CAP. ELECTRO 1 105°C 50V	R 3 2 R 3 3 R 3 4	R S J 4 G B 3 A R 5 1 J NO USE R D I 4 B B 2 C 1 2 2 J	RES. METAL FILM RES. CARBON	0.51 1.2K	5 % 5 %	1 W
C 0 1 C 0 2 C 0 3	C 9 1 - 1 3 2 3 - 0 8 N O U S E C 9 0 - 3 0 4 6 - 0 8	CAP. ELECTRO 100 105°C 50V	R 3 5 R 3 6 R 3 7 R 3 8	R D 1 4 B B 2 C 1 2 3 J R D 1 4 B B 2 C 3 0 2 J R D 1 4 B B 2 C 3 0 2 J R D 1 4 B B 2 C 5 1 0 J R D 1 4 B B 2 C 3 3 3 J	RES. CARBON RES. CARBON RES. CARBON RES. CARBON	1 2 K 3 K 5 1 3 3 K	5 % 5 % 5 %	1/6W 1/6W 1/6W 1/6W
D 1 D 2 D 3 D 4	1 B 4 B 4 2 E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE, STACK DIODE DIODE DIODE	R 3 9 R 4 0 R 4 3	R D 1 4 B B 2 C 2 7 3 J R N 1 4 B K 2 C 5 1 R O F	RES. CARBON RES. METAL FILM	27K 51.0	5 % 1 %	1/6W 1/6W
D 5 D 6 D 7	1 S S 2 7 0 Å 1 S S 2 7 0 Å 1 S S 2 7 0 Å	D O D E D O D E D O D E	R 4 4 R 4 5	R D 1 4 B B 2 C 1 O 3 J R D 1 4 B B 2 C 1 O 1 J R D 1 4 D B 2 II 8 2 2 J	RES. CARBON RES. CARBON RES. CARBON	10K 100 8.2K	5 % 5 % 5 %	1 / 6 W 1 / 6 W 1 / 2 W
D 8 D 9	N () U S E D 1 0 X B 4 0	DIODE, STACK DIODE	R 6 7	R S I 4 G B 3 D R 1 5 J	RES. METAL FILM	0.15	5 🐒	2 W
D 1 0 D 1 4 D 1 5 D 1 6	E R A 1 5 - 0 1 1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	DIODE DIODE DIODE	R 7 4 R 7 5 R 7 6 R 7 7 R 7 8	R D 1 4 B B 2 C 1 0 2 J R D 1 4 D B 2 H 8 2 2 J R D 1 4 B B 2 C 1 0 2 J N O U S E R D 1 4 B B 2 C 1 0 2 J	RES. CARBON RES. CARBON RES. CARBON	1 K 8 . 2 K 1 K	5 % 5 % 5 %	1/6W 1/2W 1/6W
D 2 8	1 S S 2 7 0 A	DIODE	R 7 9	RD14DB2H102J	RES. CARBON RES. CARBON	1 K 1 K	5 % 5 %	1 / 6 W 1 / 2 W
D 3 3 D 3 4	ERA15-01 1SS270A	DIODE DIODE	R 8 5 R 8 8	RD14DB2H101J	RES. CARBON	100	5 %	1 / 2 W
D 3 7 D 3 8 D 3 9	E R A 1 5 - 01 1 S S 2 7 0 A E R A 1 5 - 01	DIODE DIODE DIODE	R 8 9 R 9 0 R 9 1 R 9 2 R 9 3	R D I 4 B B 2 C I 0 4 J NO USE R D I 4 B B 2 C I 0 2 J R D I 4 B B 2 C I 0 2 J R D I 4 B B 2 C I 0 2 J R D I 4 B B 2 C 2 0 5 J	RES. CARBON RES. CARBON RES. CARBON RES. CARBON	1 0 0 K		1/6W 1/6W 1/6W
D O 1	3 0 0 1	DIODE	R 9 4 R 9 5	RD14BB2C510J NO USE	RES. CARBON RES. CARBON	2 M 5 I	5 % 5 %	1/6W 1/6W
I C 1 I C 2 I C 3	UPC151C UPC151C - UPC1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULATOR	R 9 6 R 3 2 A	R D I 4 B B 2 C 9 1 2 J R S 1 4 G B 3 A R 5 1 J	RES. CARBON	9.1K	5 %	1/6₩
1 C 9	II A 1 7 8 L 1 2 A	IC, TERMINAL FIXED VOLTAGE REG.	R 3 2 B R 3 2 C	RS14GB3AR51J RS14GB3AR51J	RES. METAL FILM RES. METAL FILM RES. METAL FILM	0.51	5 % 5 % 5 %	1 W 1 W 1 W
L E D 1 L E D 2 L E D 0	L N 3 2 2 G P L N 2 2 2 R P L N 2 2 2 R P	LED; GREEN LED; RED LED; RED	R O 1 R Y 1	R N 1 4 B K 2 C 1 0 0 3 F S 7 G - 0 6 0 4 - 0 8	RES. METAL FILM		1 %	1/6W
L E D O 1 Q 1 Q 2	L N 2 2 2 R P 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	LED:RED TR. SI, NPN TR. SI, NPN	R Y 2 R Y 3 R Y 4	S76-0604-08 S76-0604-08 S76-0604-08	RELAY RELAY RELAY			

PARTS LIST

NAME & DESCRIPTION OUTPUT SW MASTER/SLAVE SWITCH

RES. SEMI FIXED 1KB RES. SEMI FIXED 100KB RES. SEMI FIXED 100

DIODE, ZENER 5.75 V

	PR70-1A
	Y86-1900-00
REF. NO PARTS NO A01-1237-08 A63-0117-08 B31-0761-08 B31-0761-08 B31-0762-08 B40-2737-24 B42-3731-08 B42-6050-08 B42-6050-08 B42-6050-08 B42-6053-08 B42-6053-08 B42-6053-08 B42-6053-08 B42-6053-08 B42-6053-08 B42-6053-08	NAME & DESCRIPTION - CASE FRONT PANEL METER; CURRENT METER; VOLT SERIAL NO. PLATE MASTER/SLAVE LABEL FUSE RATING: AC100 V 50/60HZ 110W RATING: AC120V 50/60HZ 110W RATING: AC240V 50/60HZ 110W RATING: AC240V 50/60HZ 110W RATING: AC240V 50/60HZ 110W RATING: AC240V 50/60HZ 110W RATING: AC210V 60HZ 110W RATING: AC210V 60HZ 110W RATING: AC210V 60HZ 110W RATING: AC110W 60HZ 110W RATING: AC120W 60HZ 1
E 2 9 - 0 5 4 2 - 0 8 E 3 0 - 0 0 2 7 - 3 5 E 3 0 - 0 5 4 5 - 0 5 E 3 0 - 0 5 4 1 - 1 5 E 3 0 - 1 8 1 5 - 0 5 E 3 0 - 1 8 6 7 - 0 5	UL/CSA POWER CORD JIS POWER CORD SAA POWER CORD CEE POWER CORD BS POWER CORD
F 0 1 - 0 8 8 5 - 0 8 F 0 5 - 2 0 2 1 - 0 8 F 0 5 - 2 0 2 3 - 0 5 F 2 9 - 0 5 1 7 - 0 8 F 2 9 - 0 5 1 8 - 0 8 F 5 1 - 0 0 0 9 - 0 8 II 1 0 - 2 8 5 3 - 0 8 II 2 0 - 1 7 3 4 - 0 8 II 5 3 - 0 1 1 6 - 0 8	FUSE(5X20MM) 2A/250V FUSE(6X32MM) 2A/250V FUSULATOR: FOR Q6/Q11 INSULATOR: FOR Q11A/Q11B/Q11C FUSE(6X30MM) 3A/125V FOAMED STYRENE PAD (FRONT) FOAMED STYRENE PAD (REAR) VINYL COVER CARTON BOX
J 0 2 - 0 5 2 9 - 0 8 J 1 9 - 1 6 7 1 - 0 8 J 1 9 - 1 6 7 2 - 0 8 J 2 1 - 4 7 2 0 - 0 8 J 2 1 - 4 7 5 8 - 0 8	FOOT CLAMPER; FOR 2-CORE AC CORD CLAMPER; FOR 3-CORE AC CORD BRACKET; FOR P. C. B BRACKET; FOR AC CORD BUSHING
J 2 9 - 0 5 1 9 - 0 8 J 3 0 - 0 6 3 5 - 0 8 J 4 2 - 0 0 8 3 - 0 5 J 4 2 - 0 0 8 5 - 0 5 K 0 1 - 0 4 1 7 - 0 5 K 2 1 - 0 9 0 7 - 1 4	VOLUME SPACER; FOR VRO1 BUSHING; FOR 2-CORE AC CORD BUSHING; FOR 3-CORE AC CORD HANDLE KNOB
K 2 I - 0 9 I I - 0 4 K 2 4 - 3 0 0 6 - 0 4 K 2 7 - 0 5 0 9 - 0 4 I. 0 7 - 1 5 2 I - 0 8 N 0 9 - 0 7 1 8 - 0 5 N 0 9 - 0 7 7 5 7 - 0 5 N 0 9 - 0 7 7 7 - 0 5 N 0 9 - 0 7 8 9 - 0 5 N 0 9 - 0 7 9 7 - 0 5	KNOB: FINE/CURRENT KNOB, OUTPUT PUSH BUTTON, ORANGE: POWER POWER TRANSFORMER SCREW, SEMS BAN HD M3X6 SCREW, SEMS BINDING TAPTITE 3/ SCREW, SEMS PAN HD M3X10 SCREW, SEMS PAN HD M4X6 SCREW, SEMS PAN HD M3X10 SCREW, SEMS TAPTITE 3X10
$\begin{array}{c} \text{N 1 4 - 0 4 0 4 - 0 4} \\ \text{N 8 9 - 3 0 0 6 - 4 1} \\ \text{N 8 9 - 3 0 1 2 - 4 1} \\ \text{S 4 0 - 2 5 3 3 - 0 8} \\ \text{W 0 2 - 2 2 7 2 - 0 8} \\ \text{V R 0 1} \\ \text{R 2 9 - 3 5 0 3 - 0 8} \\ \text{V R 0 3} \\ \text{R 2 9 - 3 5 0 4 - 0 8} \\ \text{V R 0 3} \\ \end{array}$	FLANGE NUT M3 SCREW, BINDING TAPTITE 3X6 SCREW, BINDING TAPTITE 3X12 PUSH SWITCH: POWER AMP UNIT VOLUME 10K VOLUME 1K VOLUME 10K

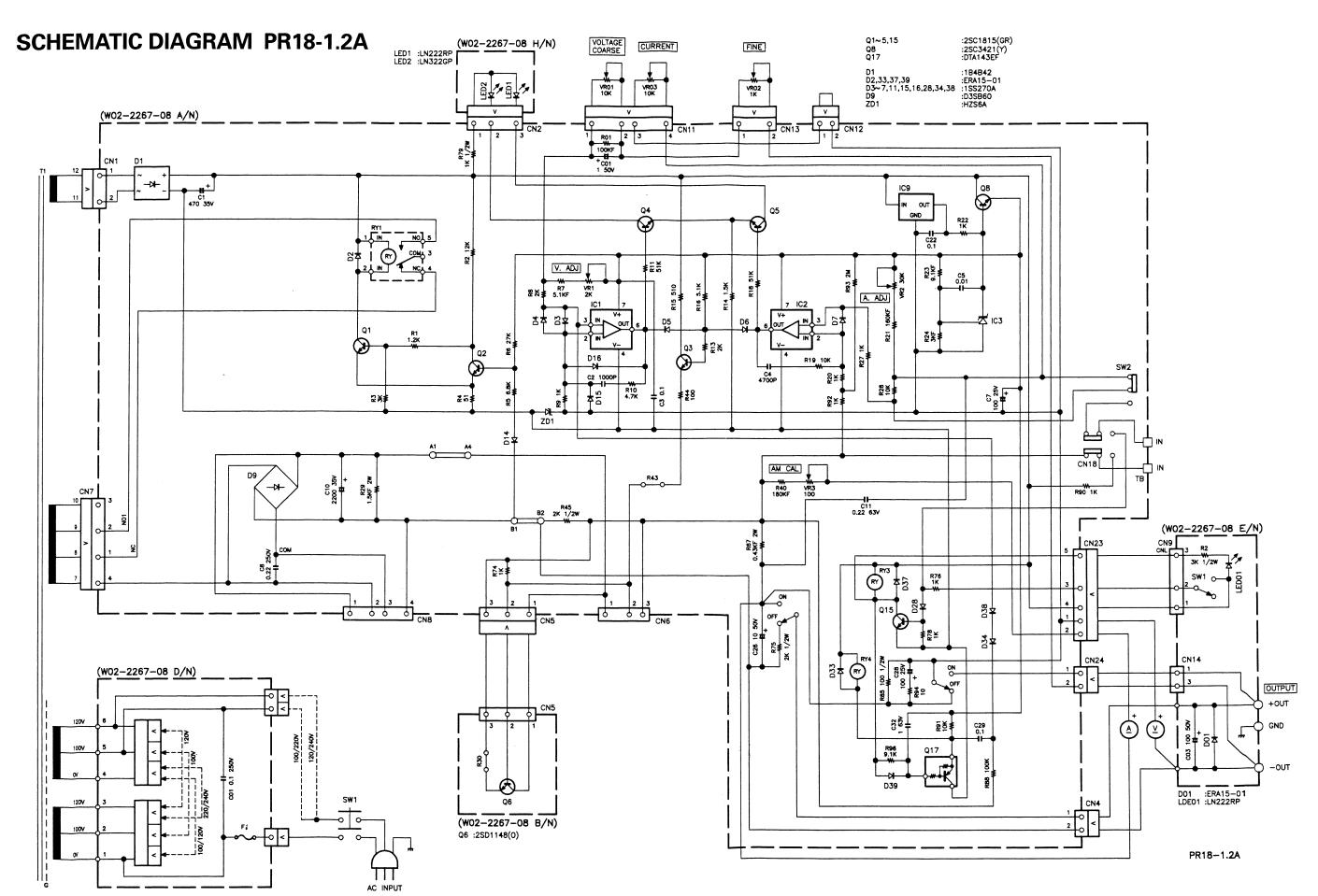
V R 1 R 1 2 - 1 5 6 4 - 0 8 V R 2 R 1 2 - 5 5 4 7 - 0 8 V R 3 R 1 2 - 0 5 9 7 - 0 8

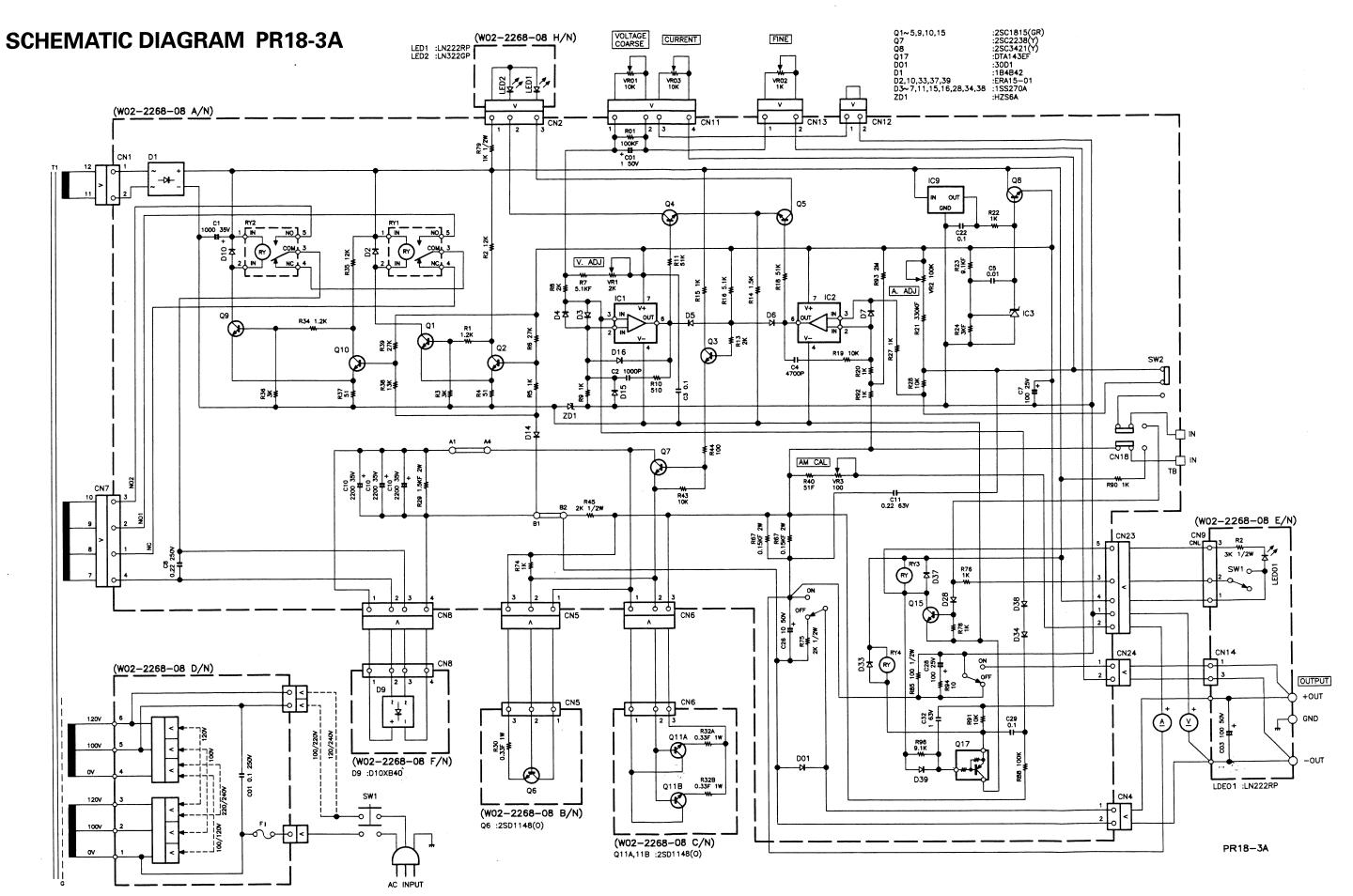
Z D 1 H Z S 6 A

PARTS LIST PARTS LIST

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PR70-1A AMP UNIT		REF. N	O PARTS NO	NAME & DESCRIPTION .	REF. NO PARTS NO NAME & DESCRIPT RY4 S76-0630-08 RELAY		
W02-2272-08			Q 1 Q 2	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R)	TR. SI, NPN TR. SI, NPN	SW1 S68-0631-08	
C 1 C 2 C 3 C 4 C 5 C 6	PARTS NO E21-0674-08 E40-7141-08 E40-7144-08 J13-0518-08 J73-0326-08 R92-0150-05 R92-1061-05 C90-3023-08 CQ92M1H102K CQ92M1H472K CQ92M1H472K CQ92M1H472K	NAME & DESCRIPTION EXTERNAL OUTPUT TERMINAL PIN CONNECTOR 2P(LINE VOLTAGE) PIN CONNECTOR 1P(LINE VOLTAGE) FUSE CLIP; FOR 6X30MM PCB (UNMOUNTED) JUMPING RES. ZERO OHM (10MM) JUMPING RES. ZERO OHM (5MM) CAP. ELECTRO 470 105°C 35V CAP. MYLAR 1000P 10% 50V CAP. HYLAR 4700P 10% 50V CAP. MYLAR 0.01 10% 50V	Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S D 1 1 4 8 (O) 2 S C 2 2 2 3 8 (Y) 2 S C 3 4 2 1 (Y) 2 S C 3 4 2 1 (Y) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) 2 S C 1 8 1 5 (G R) NO USE DTA 1 4 3 E F	TR. SI, NPN	S W 2 S 3 1 - 1 5 1 2 - 0 8 V R 1 R 1 2 - 1 5 6 4 - 0 8 V R 2 R 1 2 - 5 5 4 7 - 0 8 V R 3 R 1 2 - 0 5 9 7 - 0 8	MASTER/SLAVE SWITCH RES. SEMI FIXED IKB RES. SEMI FIXED 100KB RES. SEMI FIXED 100 DIODE, ZENER 5.75V
C 7 C 8	C 9 0 - 3 0 2 0 - 0 8 C F 9 3 A N 2 E R 2 2 K	CAP. ELECTRO 100 105°C 25V CAP. POLYESTER 0.22P 10% 250V	Q 1 1 B		TR. SI, NPN TR. SI, NPN		
C 9 C 1 0 C 1 1	NO USE C90-3039-08 CF93AN1JR22K	CAP. ELECTRO 330 105°C 160 V CAP. POLYESTER 0.22P 10% 63 V	R 1 R 2	R D I 4 B B 2 C 1 2 2 J R D I 4 B B 2 C 1 2 3 J	RES. CARBON 1.2K 5% 1/6W RES. CARBON 12K 5% 1/6W		
C 2 2	091-2559-08	CAP. CERAMIC 0.1 0.25P 50V	R 2	R D 1 4 D B 2 H 3 O 2 J	RES. CARBON 3K 5% 1/2W RES. CARBON 1K 5% 1/6W		
C 2 6 C 2 7 C 2 8 C 2 9	C90-4504-08 NO USE C90-3020-08 C91-2559-08	CAP. ELECTRO 10 100 V CAP. ELECTRO 100 105°C 25 V CAP. CERAMIC 0.1 0.25P 50 V	R 3 R 4 R 5 R 6 R 7 R 8	R D 1 4 B B 2 C 1 0 2 J R D 1 4 B B 2 C 5 1 0 J R D 1 4 B B 2 C 3 0 3 J R D 1 4 B B 2 C 2 7 3 J R N 1 4 B K 2 C 1 0 0 1 F R D 1 4 B B 2 C 2 0 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 51 5% 1/6W RES. CARBON 30K 5% 1/6W RES. CARBON 27K 5% 1/6W RES. METAL FILM 1K 1% 1/6W RES. CARBON 2K 5% 1/6W		
C 3 2 C 1 0 1	CF93AN1J1R0K C91-2588-08	CAP. POLYESTER 1P 10% 63V CAP. CERANIC 0.1 10% 630V	R 9 R 1 0 R 1 1	R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 2 4 3 J R D 1 4 B B 2 € 5 1 3 J	RES. CARBON 1K 5% 1/6W RES. CARBON 24K 5% 1/6W RES. CARBON 51K 5% 1/6W		
C N 1 C N 2 C N 3	E 4 0 - 7 2 1 8 - 0 8 E 4 0 - 7 3 4 4 - 0 8 N O U S E	PIN CONNECTOR 2P PIN CONNECTOR 3P	R 1 2 R 1 3 R 1 4 R 1 5	NO USE RD14BB2C202J RD14BB2C152J RD14BB2C102J	RES. CARBON 2K 5% 1/6W RES. CARBON 1.5K 5% 1/6W RES. CARBON 1K 5% 1/6W		
C N 4 C N 5 C N 6 C N 7	E 4 0 - 7 1 2 6 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 1 9 - 0 8 E 4 0 - 7 2 1 9 - 0 8	PIN CONNECTOR 2P PIN CONNECTOR 3P PIN CONNECTOR 3P PIN CONNECTOR 4P	R 1 6 R 1 7 R 1 8 R 1 9 R 2 0	R D 1 4 B B 2 C 5 1 2 J N O U S E R D 1 4 B B 2 C 5 1 3 J R D 1 4 B B 2 C 1 0 3 J R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 5.1K 5% 1/6W RES. CARBON 51K 5% 1/6W RES. CARBON 10K 5% 1/6W RES. CARBON 1K 5% 1/6W		
C N 1 2 C N 1 3	E 4 0 - 7 3 3 2 - 0 8 E 4 0 - 7 3 3 3 - 0 8 E 4 0 - 7 3 3 3 - 0 8	PIN CONNECTOR 1P PIN CONNECTOR 2P PIN CONNECTOR 2P CONNECTOR	R 2 1 R 2 2 R 2 3 R 2 4	R N 1 4 B K 2 C 3 9 0 3 F R D 1 4 B B 2 C 1 0 2 J R N 1 4 B K 2 C 9 1 0 1 F R N 1 4 B K 2 C 3 0 0 1 F	RES. HETAL FILM 390K 1% 1/6W RES. CARBON 1K 5% 1/6W RES. HETAL FILM 9.1K 1% 1/6W RES. HETAL FILM 3K 1% 1/6W		
	E 4 0 - 7 4 4 0 - 0 8 E 4 0 - 3 2 4 0 - 0.5	PIN CONNECTOR 5P	R 2 7 R 2 8	R D 1 4 B B 2 C 1 O 2 J R D 1 4 B B 2 C 1 O 3 J	RES. CARBON 1K 5% 1/6W RES. CARBON 10K 5% 1/6W		
C N 2 4 C O 1	E40-7333-08 C90-3038-08	PIN CONNECTOR 2P CAP. ELECTRO 1 105°C 100V	R 2 9 R 3 0 R 3 1	R S 1 4 G B 3 D 1 2 3 J R S 1 4 G B 3 A 1 R 5 J N O USE	RES. METAL FILM 12K 5% 2W RES. METAL FILM 1.5 5% 1W		
C O 1	091-1323-08	CAP. CERANIC 0.1 20% 250V	R 3 2 R 3 3	RS14GB3A1R5J NO USE	RES. METAL FILM 1.5 5% 1W		
C O 2 C O 3 D 1	NO USE C90-3048-08	CAP. ELECTRO 100 105°C 100V DIODE, STACK	R 3 4 R 3 5 R 3 6 R 3 7	R D I 4 B B 2 C I 2 2 J R D I 4 B B 2 C I 2 3 J R D I 4 B B 2 C I 0 2 J R D I 4 B B 2 C 5 I 0 J	RES. CARBON 1.2K 5% 1/6W RES. CARBON 12K 5% 1/6W RES. CARBON 11K 5% 1/6W RES. CARBON 51 5% 1/6W		
D 2 D 3 D 4 D 5 D 6 D 7	ERA 15-01 1SS 270A 1SS 270A 1SS 270A 1SS 270A 1SS 270A	D10DE D10DE D10DE D10DE D10DE D10DE	R 3 8 R 3 9 R 4 0 R 4 3 R 4 4	R D I 4 B B 2 C 7 5 3 J R D I 4 B B 2 C 2 7 3 J R N I 4 B K 2 C 5 1 R 0 F R D I 4 B B 2 C 1 0 3 J R D I 4 B B 2 C 1 0 I J	RES. CARBON 75K 5% 1/6W RES. CARBON 27K 5% 1/6W RES. METAL FILM 51.0 1% 1/6W RES. CARBON 10K 5% 1/6W RES. CARBON 100 5% 1/6W		
D 8 D 9 D 1 0	NO USE D3SB60 ERA15-01	DIODE, STACK	R 4 5	R D 1 4 D B 2 H 3 O 3 J R S 1 4 G B 3 D R 2 2 J	RES. CARBON 30K 5% 1/2W RES. METAL FILM 0.22 5% 2W		
D I 4 D I 5 D I 6	1 S S 2 7 0 A 1 S S 2 7 0 A 1 S S 2 7 0 A	D I O D E D I O D E	R 7 4 R 7 5 R 7 6 R 7 7	R D 1 4 B B 2 C 1 O 2 J R D 1 4 D B 2 H 3 O 3 J R D 1 4 B B 2 C 1 O 2 J N O USE	RES. CARBON 1K 5% 1/6W RES. CARBON 30K 5% 1/2W RES. CARBON 1K 5% 1/6W		
D 2 8	1 S S 2 7 0 A	DIODE	R 7 8 R 7 9	R D I 4 B B 2 C I O 2 J R D I 4 D B 2 H I O 2 J	RES. CARBON 1K 5% 1/6W RES. CARBON 1K 5% 1/2W		
D 3 3 D 3 4	ERA 15 - 01 15 S 2 7 O A	DIODE DIODE	R 8 5	R D 1 4 D B 2 H 1 O 1 J	RES. CARBON 100 5% 1/2W		
D 3 7 D 3 8 D 3 9	ERA 1 5 - 0 1 1 S S 2 7 0 A ERA 1 5 - 0 1	DIODE DIODE DIODE	R 8 8 R 8 9 R 9 0 R 9 1	R D I 4 B B 2 C 1 O 4 J NO USE R D I 4 B B 2 C 1 O 2 J R D I 4 B B 2 C 1 O 3 J	RES. CARBON 100K 5% 1/6W RES. CARBON 1K 5% 1/6W RES. CARBON 10K 5% 1/6W		
D O 1	ERA 15 - 01	DIODE	R 9 2 R 9 3 R 9 4	R D I 4 B B 2 C 1 O 2 J R D I 4 B B 2 C 2 O 5 J R D I 4 B B 2 C 1 O 1 J	RES. CARBON 1K 5% 1/6W RES. CARBON 2N 5% 1/6W RES. CARBON 100 5% 1/6W		
1 C 1 1 C 2 1 C 3	UPC 151C UPC 151C UPC 1093J	IC,OP AMP IC,OP AMP IC,VARIABLE SHUNT REGULATOR IC,TERMINAL FIXED VOLTAGE REG.	R 9 4 R 9 5 R 9 6 R 3 2 Å	R D 1 4 B B 2 C 1 0 1 J R O U S E R D 1 4 B B 2 C 9 1 2 J R S 1 4 G B 3 A 1 R 5 J R S 1 4 G B 3 A 1 R 5 J	RES. CARBON 100 5% 1/6W RES. CARBON 9.1K 5% 1/6W RES. METAL FILM 1.5 5% 1W RES. METAL FILM 1.5 5% 1W		
LEDI	I. N 2 2 2 R P	LED; RED	R 3 2 C	R S I 4 G B 3 A Î R 5 J	RES. METAL FILM 1.5 5% 1W		
LEDO	LN 3 2 2 G P LN 2 2 2 R P LN 2 2 2 R P	LED; GREEN LED; RED LED; RED	R O 1 R Y 1 R Y 2 R Y 3	R N 1 4 B K 2 C 1 0 0 3 F S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8 S 7 6 - 0 6 0 4 - 0 8	RES. METAL FILM 100K 1% 1/6W RELAY RELAY RELAY		





P.C. BOARD

